
APPENDIX F

Noise Analysis

Appendix E

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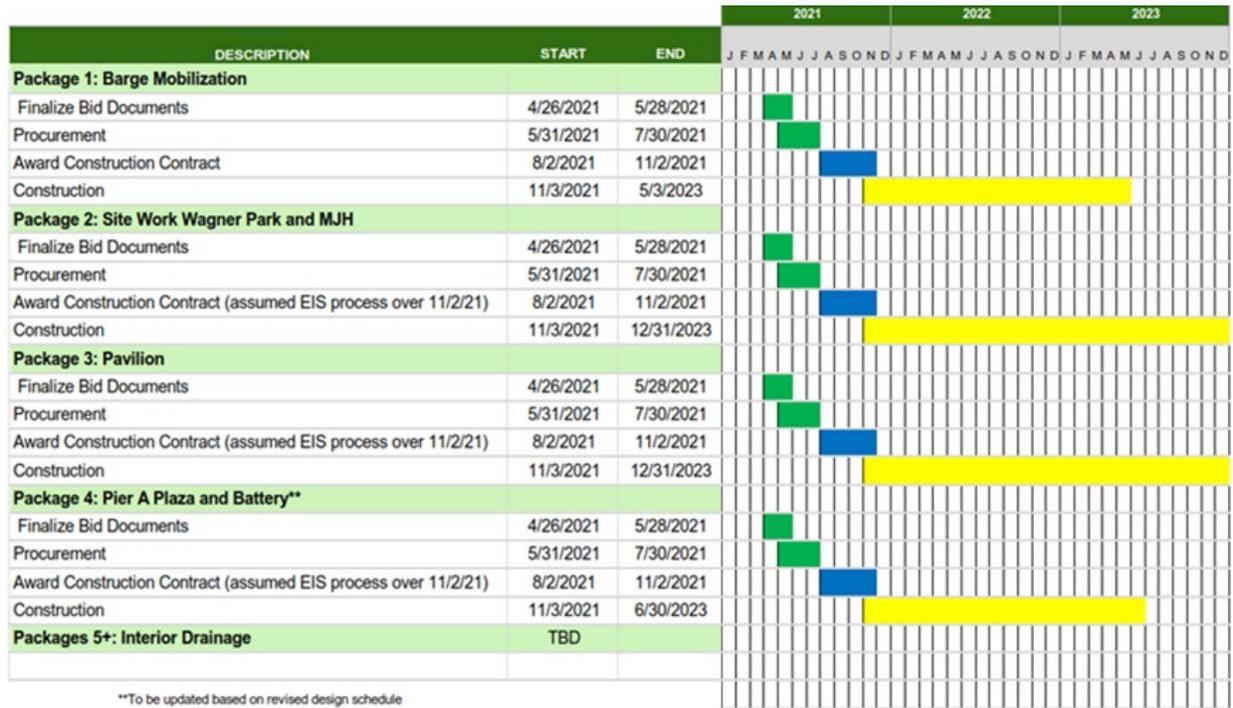
Figure E.1: CEQR Table 22-1, Noise Emission Reference Levels (A-weighted decibels with RMS “slow” time constant)

ID	Equipment Description	Usage Factor (%)	Lmax @ 50 Feet
1	All Other Equipment > 5 HP	50	85
2	Auger Drill Rig	20	85
3	Backhoe	40	80
4	Bar Bender	20	80
5	Blasting	N/A	94
6	Boring Jack Power Unit	50	80
7	Chain Saw	20	85
8	Clam Shovel (dropping)	20	93
9	Compactor (ground)	20	80
10	Compressor (air, less than or equal to 350 cfm)	40	75
11	Compressor (air, greater than 350 cfm)	40	80
12	Concrete Batch Plant	15	83
13	Concrete Mixer Truck	40	85
14	Concrete Pump Truck	20	82
15	Concrete Saw	20	90
16	Crane	16	85
17	Dozer	40	85
18	Drill Rig Truck	20	84
19	Drum Mixer	50	80
20	Dump Truck	40	84
21	Dumpster/Rubbish Removal	20	78
22	Excavator	40	85
23	Flat Bed Truck	40	84
24	Front End Loader	40	80
25	Generator	50	82
26	Generator (< 25 KVA, VMS signs)	50	70
27	Gradall	40	85
28	Grader	40	85
29	Grapple (on Backhoe)	40	85
30	Horizontal Boring Hydr. Jack	25	80
31	Hydra Break Ram	10	90
32	Impact Pile Driver	20	95
33	Jackhammer	20	85
34	Man Lift	20	85
35	Mounted Impact Hammer (Hoe Ram)	20	90
36	Pavement Scarafier	20	85
37	Paver	50	85
38	Pickup Truck	40	55
39	Pneumatic Tools	50	85
40	Pumps	50	77
41	Refrigerator Unit	100	82
42	Rivet Buster / Chipping Gun	20	85
43	Rock Drill	20	85
44	Roller	20	85
45	Sand Blasting	20	85
46	Scraper	40	85
47	Shears (on Backhoe)	40	85
48	Slurry Plant	100	78
49	Slurry Trenching Machine	50	82
50	Soil Mix Drill Rig	50	80
51	Tractor	40	84
52	Vacuum Excavator (Vac-truck)	40	85
53	Vacuum Street Sweeper	10	80
54	Ventilation Fan	100	85
55	Vibrating Hopper	50	85
56	Vibratory Concrete Mixer	20	80
57	Vibratory Pile Driver	20	95
58	Warning Horn	5	85
59	Water Jet Deleading	20	85
60	Welder / Torch	40	73

Notes: As per Local Law 113 of 2005, §24-228(a)(1) Construction, Exhausts, and other Devices, “Sound, other than impulsive sound, attributable to the source or sources, that exceeds 85 dBA as measured 50 or more feet from the source or sources at a point outside the property line where the source or sources are located or as measured 50 or more feet from the source or sources on a public right-of-way” is prohibited.

A Indicates the value is from Local Law 113; other values are from 15 RCNY §28-109, Appendix. Sources: Local Law 113 and the New York City Department of Environmental Protection Notice of Adoption of Rules for Citywide Construction Noise Mitigation: 15 RCNY 28-109, Appendix.

Figure E.2: Estimated SBPCR Packaging and Summary Construction Schedule



Source: LiRo, 20201124 SBPCAR Bid Packaging and Construction Schedule.pdf, 11/24/20.

